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DOGM
MINERALS PROGRAM
FILE COPY

March 1, 1991

TO: Minerals File

FROM: Holland Shepherd, Senior Reclamation Specialist, and *HOS*
Tony Gallegos, Reclamation Engineer *dag*

RE: Site Inspection, North Lily Project, North Lily Mining Company,
M/023/007, Juab County, Utah

Date of Inspection: February 27, 1991

Time of Inspection: 9:30 a.m. - 12:30 p.m.

Conditions: Sunny, cool, slight snow cover, muddy

Attendees: Wayne Hedberg, Tony Gallegos, Holland Shepherd, DOGM;
Grant Pinkerton, North Lily Mining Company

This inspection was conducted as a means of following up on reclamation work that was completed last fall, on portions of the site. Also, the operator has submitted a plan amendment for the site. The inspection was conducted, in part, to address Division questions associated with the amendment proposal.

The operator may have problems gaining approval from the BWPC, regarding pad and liner construction. Since initial development, the construction standards have become more stringent.

According to Grant Pinkerton, the dumps addressed in the amendment are only to be utilized through Phase I. Phase II and III do not include dump development or removal. Phases II and III involve expansion of the leach pads only.

The permitted Red Dump area has been reclaimed by the operator. Regrading, mulching, crimping and seeding have occurred. The operator has applied straw mulch and crimped it into the ground using a dozer cat with 2-2.5 inch cleats. The area has been broadcast seeded. The straw was not disced into the soil material.

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The clay borrow area was being drill seeded during our inspection. Mr. Mark Taylor was operating the drill seeder used at the site. The site had been straw mulched prior to seeding. Mud was causing a slight problem with the drill seeder, at the site. The seeder hoses had to be detached from the housing next to the wheel/discs, to allow for uninterrupted seeding.

The Mammoth site has been regraded and the slopes have been seeded. Steep slopes reclamation has been achieved by creating windrows along the contour, with a dozer. Hay mulch was used on the slopes. Large piles of 6-inch minus rock have been left in place, at the bottom of the area where the disturbance had occurred. The rock piles have not been graded out and remain stacked. Mr. Pinkerton explained that the rock would probably be sold to the County Highway Department. However, if the rock is not sold, no contingency plan exists for reclaiming the rock.

The May Day dump has also been regraded and seeded. Steep slope reclamation was achieved by creating windrows with a dozer. This site is covered under an exploration NOI (E/023/038).

The Yankee dump has been reclaimed using the same methods as used for the May Day and Mammoth dumps reclamation. The bottom portion of the dump (screening pad) has not yet been reclaimed. The Humbug dump containing 3,000-4,000 tons of ore, has not been disturbed yet. This site is also covered under E/023/038.

The Centennial-Eureka dump has not been disturbed. However, the operator is anxious to initiate mining the site. Mr. Pinkerton has asked that the Division accelerate the approval of a staging area, for the dump. This mobilization project development will take two weeks and will impact a small area of the whole. It would involve grading a level pad near the bottom of the dump to allow set up of the screening equipment and placement of a conveyor system on an existing path/road down the slope of the dump. Mr. Pinkerton is anxious to get going on this part of the development, because other permitted areas have been used up.

Mr. Pinkerton asked about the possibility of crediting their reclamation "account" or reducing the amendment reclamation estimate by an amount equal to the reclamation work which has been completed as of this date. This idea will be considered by the Division, since the Mammoth dump, Red dump and clay borrow areas are included in the estimate.

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Mr. Pinkerton clarified questions regarding the amendment proposal such as the sketched-in increase in the clay borrow area and the use of topsoil to construct "the berm". The clay borrow area will not be increased as the sketch indicated, and some topsoil will be used to construct the exterior berm around the perimeter of the heap leach pad.

jb
cc: Wayne Hedberg, DOGM
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